"Rough Cut" IMPLEMENTATION ASSESSMENT

Waupaca’s CO₂ emission \((3 \times 10^5 \text{ TPY})\)

vs

President’s targeted CO₂ emission \((3 \times 10^9 \text{ TPY})\) \(^{(1)}\)

* Waupaca’s emission = President’s target \(x 0.0001\).

* 300 K TPY is sufficient to supply a 24/7 supplement of 800 ppm CO₂ to a 5,000 m³ hydroponic “grow-box”: 5m \(\times\) 10m \(\times\) 100m.

This 0.06% supplement would ensure the system a reliable 0.09% CO₂ hyper-concentration.

* What local market-demands could be served by a 5,000 m³ grow-box?

* There are \(>3,000\) counties in the USA

* Consider the merits of local county policies that accrue 10,000 market-driven grow-box operations.

\(^{(1)}\) The Nation’s Health, September, 2013. Pages 1 & 12

waupacacpr@gmail.com \(^{(c)}\)

November, 2013
Cost / benefit variables

* Waupaca County's average tax levy:

$ 25 Million / year

* Waupaca County's Cost of Life Lost to HAP induced blood cancer:

$ 25 - $ 57 Million / year

* Foundry's recent stack modification:

< $ 45 Million

* AER economic benefits to county:

Innovative agriculture
Novel biotechnology
11/4: Pass request to board

12/2: Agenda item for board discussion

1/8: Agenda item for board vote / referral to Supervisor Johnson

2/21: Johnson intro's policy county' board

10/25: Policy addressed in 2015 county budget